



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY ROCKFORD
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ELECTRICAL

Valid To: February 29, 2026

Certificate Number: 214.28

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for the following tests:

Test Technology:

Test Method(s):

Emissions

Radiated Emissions

CISPR 25 (section 6.5); EN 55025 (section 6.5);
MIL-STD-461C;
MIL-STD-462C;
MIL-STD-461 (RE101, RE102, RE103);
MIL-STD-462D (RE101, RE102, RE103) ¹;
MIL-STD-462 (RE01, RE02) ¹;
RTCA/DO-160 C, D, E, F, and G, Sections 15 ¹ and 21 ¹

Conducted Emissions ¹

CISPR 25 (sections 6.3 and 6.4), EN 55025 (sections 6.3 and 6.4);
MIL-STD-461C;
MIL-STD-462C;
MIL-STD-461E, F, and G (CE101, CE102, CE106);
MIL-STD-462D (CE101, CE102, CE106);
MIL-STD-462 (CE01, CE03, CE07);
RTCA/DO-160 C, D, E, F, and G, Section 21

Immunity

Electrostatic Discharge (ESD) ¹

EN/IEC 61000-4-2; AS/NZS 61000.4.2; KS C 9610-4-2;
RTCA/DO-160 C, D, E, F, and G, Section 25;
MIL-STD-1686C;
MIL-STD-461G (CS118)

Electrical Fast Transient/Burst ¹

EN/IEC 61000-4-4; AS/NZS 61000.4.4; KS C 9610-4-4

Surge Immunity ¹

EN/IEC 61000-4-5; AS/NZS 61000.4.5; KS C 9610-4-5

Radiated ¹

EN/IEC 61000-4-3; AS/NZS 61000.4.3; KS C 9610-4-3;
MIL-STD-461E, F, and G (RS101, RS103, RS105);
MIL-STD-462D (RS101, RS103);
MIL-STD-462 (RS01, RS02, RS03);
MIL-STD-461C

Test Technology:**Test Method(s):**Radiated (*continued*)¹MIL-STD-462C
RTCA/DO-160 C, D, E, F, and G, Section 20Conducted¹EN/IEC 61000-4-6; AS/NZS 61000.4.6; KS C 9610-4-6;
MIL-STD-461E, F, and G (CS103, CS104, CS105, CS109, CS114,
CS115, CS116);
MIL-STD-461C;
MIL-STD-462C;
MIL-STD-462D (CS103, CS104, CS105, CS109, CS114, CS115,
CS116);
MIL-STD-462 (CS01, CS02, CS06);
RTCA/DO-160 C, D, E, F, and G, Section 20Power Frequency Magnetic
Field¹EN/IEC 61000-4-8;
AS/NZS 61000.4.8;
KS C 9610-4-8;
RTCA/DO-160 C, D, E, F, G, Section 15;
MIL-STD-461D, E, F, G, (RS101); MIL-STD-462 (RS01);
MIL-STD-461C;
MIL-STD-462CVoltage Dips/Interrupts and
Variations¹

EN/IEC 61000-4-11; AS/NZS 61000.4.11; KS C 9610-4-11

Voltage Spike¹RTCA/DO-160 C, D, E, F, and G, Section 17;
MIL-STD-461F (CS106)Power Input¹RTCA/DO-160 C, D, E, F, and G, Section 16;
MIL-STD-704A, B, C, D, E, and FAudio Frequency Conducted
Susceptibility¹RTCA/DO-160 C, D, E, F, and G, Section 18;
MIL-STD-461D, E, F, and G (CS101); MIL-STD-462 (CS01);
MIL-STD-461C;
MIL-STD-462CInduced Signal Susceptibility¹

RTCA/DO-160 C, D, E, F, and G, Section 19

Lightning Induced Transient¹RTCA/DO-160 C, D, E, F, and G, Section 22;
MIL-STD-461G (CS117)***Generic and Product Family
Standards***EN/IEC 61000-6-1; AS/NZS 61000.6.1;
EN/IEC 61000-6-2; AS/NZS 61000.6.2;
CISPR 14-2; EN 55014-2; AS/NZS CISPR 14-2;
CISPR 24; EN 55024; AS/NZS CISPR 24; KS C 9824; CISPR 35
(*excluding Annex A-H*); EN 55035 (*excluding Annex A-H*);
AS/NZS CISPR 35 ;
KS C 9835 (*excluding Annex A-H*);
BS EN/IEC 60601-1-2; BS EN/IEC 60947-1; BS EN/IEC 60439-1;
BS EN/IEC 61326-1; BS EN/IEC 61326-2;
BS EN 50130-4; BS EN 50131-1;
EN 61800-3; IEC 61800-3 (*up to 75A, 1000V*)

On the following product types:

Aerospace, Defense, Telecommunications, Electrical, Electronics, Automotive, and Commercial.

¹ This laboratory performs field testing activities for the noted tests.



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY ROCKFORD

Rockford, IL

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 19th day of March 2024.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.28
Valid to February 28, 2026

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.